American Helicopter Society International

Sponsored by the Southeast Region
Hampton Roads Chapter

Save the Date

Rotorcraft Structures and Survivability Technical Specialists' Meeting

October 24-26, 2017

Hampton, VA

The AHS Southeast Region and the Hampton Roads Chapter of AHS International are hosting a *Rotorcraft Structures and Survivability Technical Specialists' Meeting* on October 24-26, 2017.

The theme of the 3-day conference is "Innovative Structures and Survivability Solutions for Vertical Lift." The meeting will consist of unclassified, unrestricted presentations to be held at the *Hampton Roads Convention Center* in Virginia. The meeting will highlight research and development efforts, both current and planned, related to manned and unmanned rotorcraft structures, crash safety, and vulnerability reduction. Lodging will be available next door at the *Embassy Suites by Hilton Hampton Hotel Convention Center & Spa*.

Structures: Presentations are invited for technology applicable to both developmental and legacy aircraft including durability and damage tolerance, fatigue and fracture mechanics, advanced metallic and composite structures, and structural design criteria. Related topics on affordability, operational sustainability, multifunctionality, weight reduction, novel concepts, and manufacturing methods are desired. A specific focus will be on the development of an Aeronautic Design Standard for the Rotorcraft Structural Integrity Program.

Crashworthiness: Presentations are invited for all aspects of crashworthiness relating to rotorcraft and V/STOL aircraft. Emphasis is given to development of new structural design concepts for minimizing occupant post-crash injuries and fatalities, systems integration analyses, crash criteria for rotorcraft, and computational methods for design validation.

Vulnerability Reduction: Presentations are invited relating to design, analysis, and structures technologies that reduce aircraft vulnerability. Topics may include threat and structural response modeling, advanced structural concepts for ballistic tolerance, integrating ballistic protection into primary structure, and design criteria and concepts for optimizing ballistic protection.

The Specialists' Meeting General Chairman is Ms. Susan Gorton, NASA Langley Research Ctr. Technical Chairpersons are Mr. Nate Bordick, US Army ADD-AATD; Dr. Karen Jackson, NASA Langley, and Dr. Mark Robeson, US Army ADD-AATD.

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